

# SAFETY DATA SHEET

**Bona**<sup>®</sup>

Bona Deck Oil Brown

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Identification of the substance or preparation

**Product name** : Bona Deck Oil Brown  
**Product code** : Not available.  
**Product description** : Not available.

### Use of the substance/preparation

**Product use** : Oil for treatment of exterior wooden deckings  
 None identified.

### Company/undertaking identification

**Manufacturer** : Bona AB  
 Box 210 74  
 SE-200 21 MALMÖ  
 SWEDEN  
 Tel. +46-(0)40-38 55 00

**e-mail address of person responsible for this SDS** : marie.holmgren@bona.com

## 2. HAZARDS IDENTIFICATION

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

### Classification according to Regulation (EC) 1907/2006 (REACH)

**Classification** : R10  
 Xn; R65  
 R66  
 R52/53

**Physical/chemical hazards** : Flammable.

**Human health hazards** : Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

**Environmental hazards** : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Additional hazards** : Risk of self-ignition. Contaminated equipment for cleaning, cloths, rags, dust from sanding etc. can cause self-ignition. All cloths etc. must be put into water, sealed containers or be burnt.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or assigned an occupational exposure limit.

Chemical name	CAS number	%	Number	Classification
Alkanes, C9-12-iso-	90622-57-4	25 - 50	292-459-0	Xn; R65 R66 R53 [1]
Naphta (petroleum), hydrogen treated heavy	64742-48-9	10 - 25	265-150-3	R10 Xn; R65 R66, R67 [1]
Solvent naphta (petroleum), heavy arom	64742-94-5	2.5 - 10	265-198-5	R10 Xn; R65 R66, R67 N; R51/53 [1]
bis(2,2,6,6-tetrametyl-1-oktylipiperidin-4-yl)sebacinat,[2,2,6,6-tetrametyl-4-((2,2,6,6-tetrametyl-1-oktyloxipiperidin-4-yl)-dekan-1,10-		1 - 2.5	406-750-9	R53 [1]

**Date of issue/Date of revision** : 2010-06-29.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

dioyl)piperidin-1-yl]oktandioat, mixture Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	0 - 1	265-185-4	R10 Xn; R65 R66, R67 N; R51/53	[1]
See section 16 for the full text of the R-phrases declared above					

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

Occupational exposure limits, if available, are listed in section 8.

### 4. FIRST AID MEASURES

#### First aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.

### 5. FIRE-FIGHTING MEASURES

- Extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.
- Extinguishing media not to be used** : Do not use water jet.
- Special exposure hazards** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).
- Environmental precautions** : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.
- Methods for cleaning up** : Preferably clean with a detergent. Avoid using solvents.

**Note:** see section 8 for personal protective equipment and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling** : Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits.
- In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.
- To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.
- Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.
- Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
- Put on appropriate personal protective equipment (see section 8).
- Never use pressure to empty. Container is not a pressure vessel.
- Always keep in containers made from the same material as the original one.
- Comply with the health and safety at work laws.
- Storage** : Store in accordance with local regulations. Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight.
- Keep away from sources of ignition. Keep away from: oxidizing agents, strong alkalis, strong acids.
- No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not empty into drains.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Occupational exposure limits** : Not available.
- Exposure controls** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn.

### Occupational exposure controls

- Respiratory system** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
- Skin and body** : Personnel should wear antistatic clothing made of natural fibers or of high-temperature-resistant synthetic fibers.
- Hands**
- Gloves** : For prolonged or repeated handling, use the following type of gloves:

Recommended: nitrile rubber

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

- Eyes** : Use safety eyewear designed to protect against splash of liquids.
- Environmental exposure controls** : Do not allow to enter drains or watercourses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	: Liquid.
<b>Color</b>	: Brown.
<b>Flash point</b>	: Closed cup: 36°C (96,8°F)
<b>Viscosity</b>	: Kinematic: 0,03 cm <sup>2</sup> /s (3 cSt)
<b>Relative density</b>	: 0,8
<b>Solubility</b>	: Insoluble in the following materials: cold water and hot water.

## 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	: Stable under recommended storage and handling conditions (see section 7). When exposed to high temperatures may produce hazardous decomposition products.
<b>Materials to avoid</b>	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
<b>Hazardous decomposition products</b>	: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## 11. TOXICOLOGICAL INFORMATION

### Toxicokinetics

<b>Absorption</b>	: Not available.
<b>Distribution</b>	: Contains material which causes damage to the following organs: lungs, upper respiratory tract, skin. Contains material which may cause damage to the following organs: the nervous system, liver, mucous membranes, digestive system, central nervous system (CNS), eye, lens or cornea, head, nose/sinuses, throat.
<b>Metabolism</b>	: Not available.
<b>Elimination</b>	: Not available.

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 3 and 15 for details.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Alkanes, C9-12-iso-	LD50 Dermal	Rat	>3160 mg/kg	-
	LD50 Oral	Rat	>10000 mg/kg	-
	LC50 Inhalation Vapor	Rat	>14 mg/L	4 hours
Naphta (petroleum), hydrogen treated heavy	LD50 Dermal	Rabbit	>3200 mg/kg	-
	LD50 Oral	Rat	>6400 mg/kg	-
	LD50 Dermal	Rat	>2000 mg/kg	-
bis(2,2,6,6-tetrametyl-1-oktylipiperidin-4-yl)sebacinat,[2,2,6,6-tetrametyl-4-((2,2,6,6-tetrametyl-1-oktyloxipiperidin-4-yl)-dekan-1,10-dioyl)piperidin-1-yl]oktandioat, mixture	LD50 Oral	Rat	>2000 mg/kg	-
	LC50 Inhalation Vapor	Rat	>5000 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
Naphta (petroleum), hydrodesulfurized heavy	LD50 Oral	Rat	>2000 mg/kg	-
	LC50 Inhalation Vapor	Rat	>5000 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-

**11. TOXICOLOGICAL INFORMATION**

	LD50 Oral	Rat	>2000 mg/kg	-
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**Conclusion/Summary** : Not available.

**Chronic toxicity**

**Conclusion/Summary** : Not available.

**Carcinogenicity**

**Conclusion/Summary** : Not available.

**Mutagenicity**

**Conclusion/Summary** : Not available.

**Teratogenicity**

**Conclusion/Summary** : Not available.

**Reproductive toxicity**

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**Conclusion/Summary** : Not available.

**12. ECOLOGICAL INFORMATION**

There is no data available on the preparation itself.  
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See sections 3 and 15 for details.

**Aquatic ecotoxicity**

Product/ingredient name	Result	Species	Exposure
bis(2,2,6,6-tetrametyl-1-oktylipiperidin-4-yl)sebacinat,[2,2,6,6-tetrametyl-4-((2,2,6,6-tetrametyl-1-oktyloxipiperidin-4-yl)-dekan-1,10-dioyl)piperidin-1-yl]oktandioat, mixture	Acute LC50 >58 mg/l	Fish	96 hours
Naphta (petroleum), hydrodesulfurized heavy	Acute LC50 1 to 100 mg/L	Fish	72 hours

**Conclusion/Summary** : Not available.

**Ecological information****Persistence/degradability**

**Conclusion/Summary** : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Alkanes, C9-12-iso-	-	-	Inherent
Naphta (petroleum), hydrogen treated heavy	-	-	Readily
Naphta (petroleum), hydrodesulfurized heavy	-	-	Readily

**Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Naphta (petroleum), hydrodesulfurized heavy	2 to 7	-	high

**PBT** : Not applicable.

**vPvB** : Not applicable.

## 13. DISPOSAL CONSIDERATIONS

Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

**European waste catalogue (EWC)** : The European Waste Catalogue classification of this product, when disposed of as waste, is: 08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances. If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

**Hazardous waste** : Yes.

## 14. TRANSPORT INFORMATION

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### Land - road/railway

**UN number** : UN1263  
**Transport document name** : PAINT  
**Special provision 640** : E  
**ADR/RID Class** : 3  
**Packing group** : III  
**ADR/RID Label** :



### Sea

**UN number** : UN1263  
**Proper shipping name** : PAINT  
**Special provisions** : Not available.  
**IMDG Class** : 3  
**Packing group** : III  
**IMDG Label** :



**Marine pollutant** : No.  
**Emergency schedules (EmS)** : F-E,S-E

### Air


**UN number** : UN1263  
**Proper shipping name** : PAINT  
**Special provisions** : Not available.  
**ICAO/IATA Classification** : 3  
**Packing group** : III  
**ICAO/IATA label** :



### Inland waterways

**Proper shipping name** : -  
**Packing group** : -

## 15. REGULATORY INFORMATION

<b>Chemical Safety Assessment</b>	: This product contains substances for which Chemical Safety Assessments are still required.
<b>EU regulations</b>	: The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:
<b>Hazard symbol or symbols</b>	:  Harmful
<b>Risk phrases</b>	: R10- Flammable. R65- Harmful: may cause lung damage if swallowed. R66- Repeated exposure may cause skin dryness or cracking. R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Safety phrases</b>	: S2- Keep out of the reach of children. S16- Keep away from sources of ignition - No smoking. S24- Avoid contact with skin. S60- This material and its container must be disposed of as hazardous waste. S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
<b>VOC for Ready-for-Use Mixture</b>	: Not applicable.
<b>Detergents - Regulation (EC) No 907/2006</b>	: Not applicable.
<b>Europe inventory</b>	: Not determined.
<b>Other EU regulations</b>	
<b>Additional warning phrases (CEPE)</b>	: Not applicable.
<b>Containers to be fitted with child-resistant fastenings</b>	: Yes, applicable.
<b>Tactile warning of danger</b>	: Yes, applicable.

The information in this Safety Data Sheet is required pursuant to Annex II to Regulation (EC) No 1907/2006.

## 16. OTHER INFORMATION

<b>CEPE Classification</b>	: 1
<b>Full text of R-phrases referred to in sections 2 and 3 - Europe</b>	: R10- Flammable. R65- Harmful: may cause lung damage if swallowed. R66- Repeated exposure may cause skin dryness or cracking. R67- Vapors may cause drowsiness and dizziness. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R53- May cause long-term adverse effects in the aquatic environment.
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	: FLAMMABLE LIQUIDS - Category 3  Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 31,3% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 81,3%
<b>Restrictions on use</b>	: None identified.
<b>Date of issue/ Date of revision</b>	: 2010-06-29.
<b>Version</b>	: 2
<b>Date of issue/Date of revision</b>	: 2010-06-29.

## 16. OTHER INFORMATION

✔ Indicates information that has changed from previously issued version.

### Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

## Annex